LÉGIA STAR HIGH SPEED

FOR ALL LONG RANGE SHOOTING

FABRIQUE NATIONALE D'ARMES DE GUERRE, s. a., HERSTAL (BELGIUM)

Légia Star High Speed

HIGH POWER

for all

LONG RANGE SHOOTING

increases by 10 yards the range of your gun.

Nickeled shot for extra close patterns.

Chilled shot for normal close patterns.

loaded with

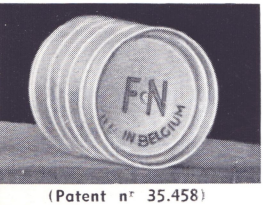
THE F. N. PLASTIC CUP WAD

The new F. N. plastic cup wad assures an absolutely perfect gas seal between the powder gases and the shot charge.

As a result, the velocity of the shot is considerably increased which augments **range** and **penetration** and the pattern is improved both with respect to **percentage** of grouping and **regularity.**

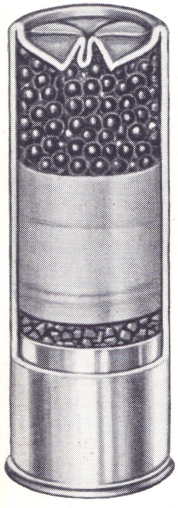
The drawing below shows the behaviour at the moment of firing of an ordinary wad (fig. 1) and of an F. N. Cup wad (fig. 2).

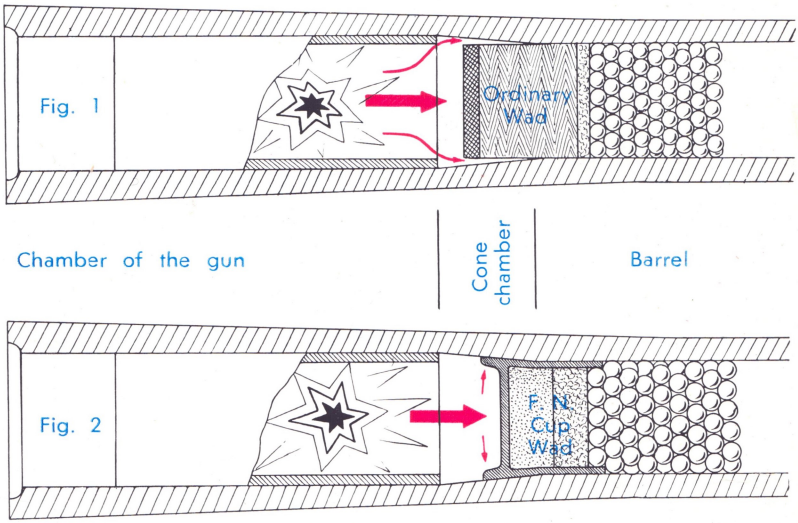
The arrows indicate the places where the pressure of the combustion gases is exerted.



(Patent nr 35.458)

Section of a Legia Star High Speed cartridge loaded with the F. N. Cup wad.





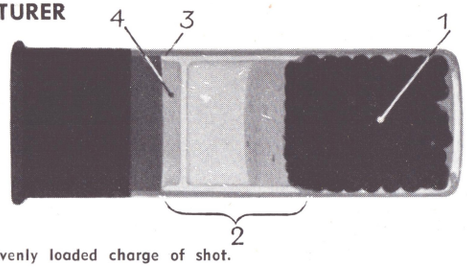
N. B. -- **The Legia Star High Speed red cartridge loaded with chilled shot is now available not only in 12-2 ¾" but also in 16-2 ¾".**

X-RAY PHOTOGRAPHY IN THE SERVICE OF THE MANUFACTURER

The shooting qualities of a cartridge depend not only on the nature, the quality and the arrangement of the component parts, but also on the correct positioning inside the cartridge.

This can be verified by X-Ray photography, as used in the F. N. Works to « see » — in the same way as in medicine for the human body — the interior of the manufactured article.

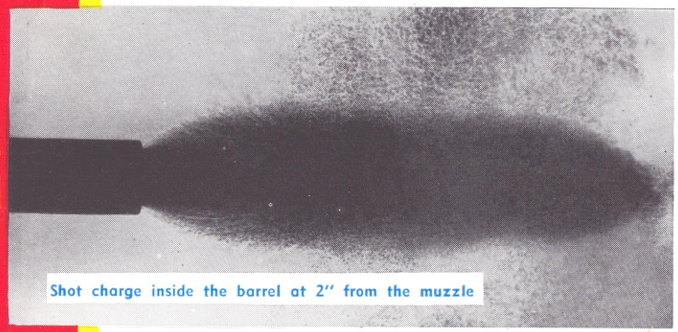
The X-Ray photograph shows that the components of a Legia Star High Speed cartridge, taken at random from a lot ready for delivery, are perfectly in position inside the cartridge.



1. — Evenly loaded charge of shot.
2. — Perfect positioning of the F. N. patent wad of which the rims both on the powder side and the shot side are correctly placed.
3. — Rim of the cup wad.
4. — The powder charge fills the cup of the wad.

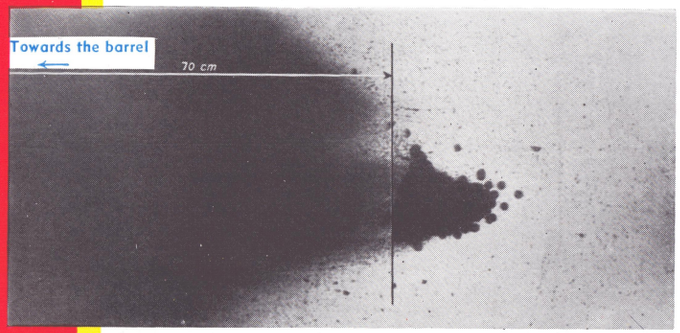
The high-speed photographs below give some information on the behaviour of a cartridge with ordinary wad and a Legia Star High Speed cartridge with F. N. patent cup wad.

Cartridge with ordinary wad.



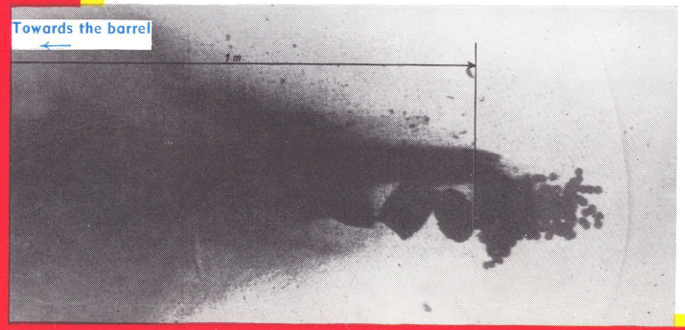
1

Gas escape preceding the shot charge.



2

The shot charge and the wad emerge from the gases at 27 ½" from the muzzle of the barrel.



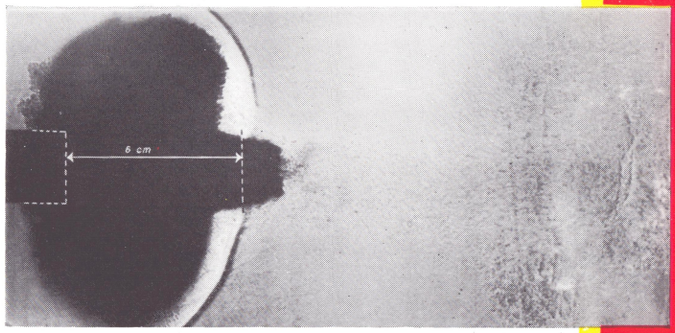
3

Irregular distribution of the shot charge at 1 yard from the muzzle of the barrel causing mediocre pattern and range.

Legia Star High Speed cartridge with F. N. patent cup wad.

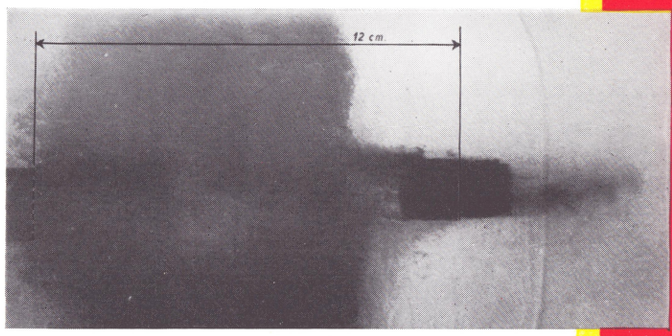
1

The shot charge precedes the gases.



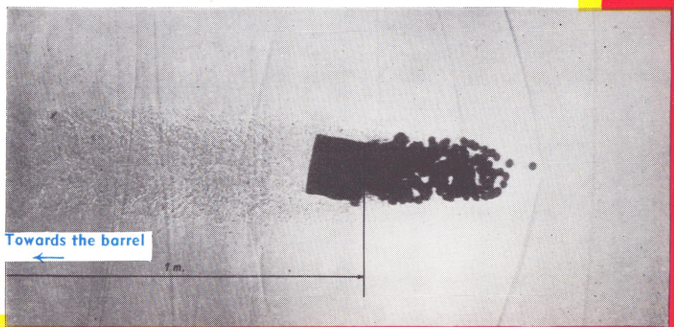
2

At 4 ¾" from the muzzle of the barrel, the wad and the shot are completely free from the gases.



3

Excellent compactness of the shot charge at 1 yard from the muzzle of the barrel. Such closeness of the shot gives a tight pattern and long range.



THE " F. N. ALL-METAL "

SHORT CARTRIDGE

Made in 12, 16, 20, 24, 28, 32 and .410 bores.

The F. N. All-Metal cartridges in small bores are little marvels. They are loaded with a heavier charge of powder and shot than ordinary cartridges with card tube. Their high velocity ensures that game is killed properly.

is not a « rabbit cartridge » — name commonly used for low power cartridges.

On the contrary, beneath its small size lies a shot load and ballistic qualities (velocity, grouping, penetration, range) the same as the best 2 ½" cartridges with high brass and card tube.

It is an **all-purpose cartridge,** small in size and impervious to rain, suitable for all kinds of shooting.

« F.N. ALL-METAL »

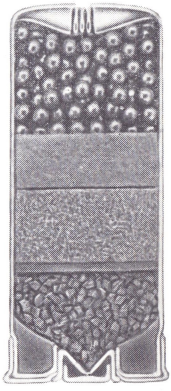
« STAR » TURNOVER . . . . →
without top card, completely eliminating bad patterning.

1 1/8 OZS. CHILLED SHOT . . →

NORMAL WADDING . . . . . →
large diameter, preventing gas escape.

SMOKELESS POWDER . . . . . →

THIN METAL CARTRIDGE CASE . . . →



The mark of Guarantee which ensures the qualities indispensable in a good cartridge.

POWER

By its perfected ballistic installations and notably the control of barrel time,

by the electronic chronograph,

by the experience of its artisans,

by its constant collaboration with the powder manufacturers the F. N. has been able to determine, in every case, the optimum load to give to the shot charge the maximum velocity with the least recoil and the best grouping.

CONSISTENCY

Achieved by the selection of the materials, checking and constant control.

Achieved also by the most modern loading machines, by incessant practical tests, in the tunnel, on the practice ground, and at clay pigeons.

Besides Legia Star High Speed and the F. N. All-Metal cartridges, the F. N. places at the disposal of sportsmen a range of excellent cartridges suitable for all kinds of shooting.

« DIANE » — easy on the shoulder, non-fatiguing, astonishingly efficient and moderately priced, specially suitable for those shooters continually using large quantities of cartridges.

« LEGIA » — for all general shooting, and particularly Clay Birds.

« F. N. SPECIAL SKEET » — specially designed, as its name indicates, for Skeet shooting; very efficient on snipe.

« DISPERSANTE » — loaded with cube shot corresponding approximately to size No. 6, ensures an equal spread of the shot and a penetration at 22 yards about the same as an ordinary cartridge at 35 yards.
In all forms of short range shooting (maximum distance 26 yards) it quadruples the chances of a kill without mutilation.

« F. N. BRENNEKE » — loaded with the F. N. Brenneke single ball, specially suitable for large game. This ball has a remarkable power of penetration and its great weight gives at 50 yards an accuracy comparable to that of a rifled arm. At 80 yards, the ball drops only about 3".

« F. N. CUIRASSEE » — loaded only with large letter sizes of shot in a very strong, waterproof case.

F. N. Shotgun cartridges are all loaded with non-corrosive percussion caps.

OXYLESS

Printed in Belgium — 561103

AB9